

## Entanglement in flavored scattering

*Saturday 4 May 2024 10:00 (20 minutes)*

I will discuss entanglement between two final-state particles in 2 to 2 scattering, induced by the S-matrix which depends on both the momentum and flavor degrees of freedom. I will describe different ways to quantify the entanglement in such a system and the resulting constraints on the interactions' structure. An example of scalar scattering in 2HDM will be discussed.

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**Session Classification:** Talks